

## **Historic, Archive Document**

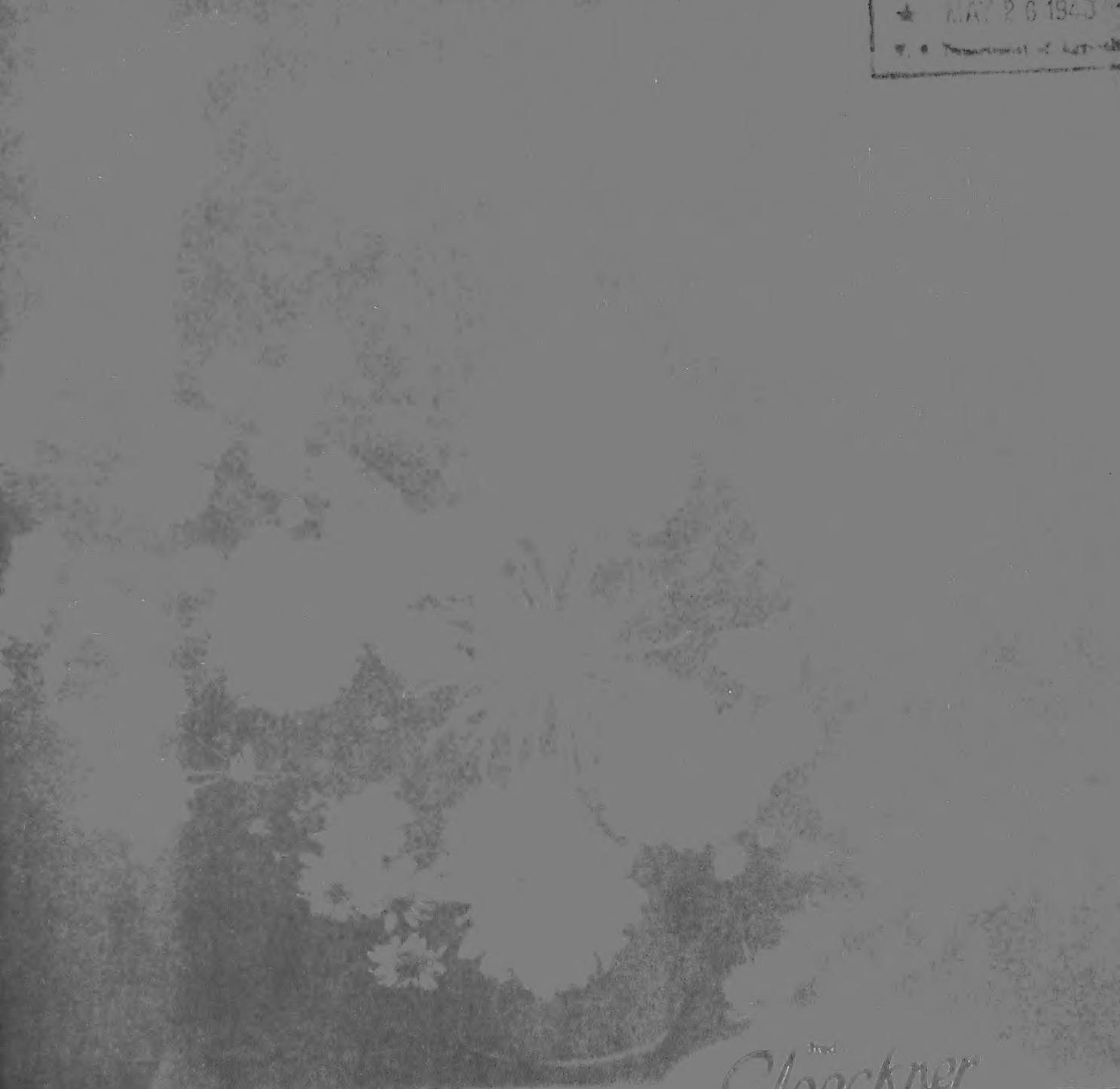
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# Chrysanthemums

62.61

HERBARIUM  
MAY 26 1943  
U. S. Department of Agriculture



<sup>Seed</sup>  
**Gloeckner**  
Company  
Incorporated  
Seeds  
From  
Contact

## Plan Now to Grow Better Chrysanthemums

In these troubled and uncertain days, no one is in a position to predict with any degree of accuracy what the future holds in store for us. We do know that there will be more competition regardless which way the trend swings.

We are faced with the facts that we must reduce waste and increase efficiency. This can only be accomplished by keeping abreast of the times and employing proper business management.

To cope with competition and increase our efficiency we suggest planned planting of your 1943 Chrysanthemum crop. The correct varieties, quantities of each variety to grow, productiveness, cultural requirements, color, market requirements, and blooming time all have to be considered in planning a successful attack on your mum problems.

Many florists are planting rooted cuttings directly into permanent locations. This not only reduces several handlings and production costs, but also produces a better quality bloom. We fully realize that it is often an impossibility for all to treat their Chrysanthemums this way. However, we have found that young, soft plants are superior to hard woody plants.

The growers who are making a profit out of this crop have found that it is cheaper to purchase all their rooted cuttings each year rather than just a portion. The specialist is able to deliver the cuttings at the approximate desired date, free from insects, properly labelled and packed. He employs trained people who check the stock plants so that wilt is at a minimum, reselect the varieties to improve type and color, and who see that all operations are done at the proper time.

To further aid you in growing better Chrysanthemums we have included various cultural pointers. It is just a part of the *Gloeckner* service to keep you advised.

We will gladly help plan your requirements for the coming year.

**For important information on pot plant culture, shading and delayed flowering see pages 20 to 30.**

### SCHEDULE OF RATES

Twenty-five of 1st variety is the minimum that can be supplied; orders for more than 25 of a variety must be in multiples of 25.

The prices per 100 and per 1,000 appear opposite each variety in the catalogue.

If order totals less than 1,000, all items less than 250 will be billed at the 100 rate; 250 or more of a variety always take the 1,000 rate.



## Diseases and Their Control

DISEASE	SYMPTOMS	CONTROL
FOLIAR NEMATODE	Leaves turn green black or chocolate brown and leathery. Plant grows up and brittle. Begins at base of stem and may work up to the flowers.	Strip off all the leaves from the lower 6 to 8 inches of all plants as soon as possible. Spray with double strength nicotine plus Bordeaux mixture.
MILDEW	Vertical powdery growth on upper surface of leaves.	Spray at regular weekly intervals with a good wettable sulfur spray per 100 gallons of water to which a good commercial spreader has been added. Dusting with a good dusting sulfur will give equally good results.
ROOT KNOT NEMATODE (Eelworm)	The nematodes or eelworms bore into the stems of the plants and cause knots or galls to develop on the root systems. As a result the plants are weak, yellowish and stunted in growth.	Soil sterilization, preferably with D-D is very effective in eliminating the root knot nematodes from the soil.
RUST	Chocolate brown powdery pustules on the lower surface of the leaves.	Same as for Mildew.
SEPTORIA LEAF SPOT (Leaf Blight)	Distinct circular spots on the leaves. These are greyish brown in color and become brittle in the center. Affected leaves may turn yellow and die. More prevalent out of doors. Some varieties are more susceptible than others. Sea Gull is very susceptible.	Spray with 4-4-50 Bordeaux Mixture plus a good commercial spreader about 3 or 4 days after planting and continue at regular weekly intervals until about the middle of July.
VERTICILLIUM WILT (Seidewitz Disease)	Margins of leaves turn yellow and eventually wilt or dry up. This begins at base of plant and works up the stems. May affect one side of a stem or plant more than the other. No distinct spots. Varieties vary in resistance to this disease.	Plant only disease free cuttings in soil which has been steam sterilized.



## Soil Sterilization with Steam

It is very desirable to have a soil maintained in economical condition. Sterilizing soil is definitely a money saving measure, especially in the case of soils. There are other methods used to sterilize soil but we feel that steam is the most practical.

Soil sterilization is a protection against certain soil-borne diseases, such as Verticillium wilt (Sawitz) and root nematodes. Sterilizing by steam changes the physical properties of soil so that it is

if the soil is high in nitrate, we suggest you apply two inches of alfalfa or red clover hay into the soil in place of nitrate before sterilizing. Old soils used for many years are usually high in nitrate and nitrogen and are depleted by leaching after the soil is sterilized.

### USEFUL HINTS

- 1—Apply manure or red clover hay before sterilizing. Till the soil thoroughly, so that the steam may be uniformly distributed.
- 2—Have the soil moderately moist, slightly moister than a brown peatling soil.
- 3—Use three inches file down (spouting) or pipe, two lines in a three and one-half foot bench. Ridge the soil to the center of the bench, directly over the line, covering with tarpaulin, canvas or boards, felt.
- 4—High pressure steam is not necessary. Figure that you can sterilize approximately one square yard of soil per boiler horse power.
- 5—Do not try to sterilize more than 50 feet of bench in one direction. The longer the distance, the longer time required to heat the desired temperature.
- 6—Suitable thermometers should be available for determining temperatures at various depths.
- 7—Cover the sides of the benches so that the entire bench and contents are heated to 180°F.
- 8—No air should enter the pipe or file with the steam as cold air causes condensation of the steam.
- 9—Remove the covering one hour after the steam has been cut. This allows the excess moisture to pass from the soil as vapor.
- 10—Steam sterilization granulates the soil particles, making for a more porous soil, allowing air and moisture to pass through freely.
- 11—Steam sterilization usually will increase the soluble salts, nitrate nitrogen and ammonia nitrogen over a period of several weeks, although this is not always the case.
- 12—Loose heavily immediately after sterilizing to reduce excess fertility.
- 13—Be very careful so as not to contaminate sterilized soils by plowing tools, flats, etc., on sterilized soil.
- 14—The cost of steam sterilization will average 1 1/2 cents per square foot of bench area, as compared with 5 cents per square foot when soil is changed.

We will at all times endeavor to serve you to the very best of our ability. If you have any questions, cultural problems, etc., from time to time, please feel free to call upon us. If we are able to help you we shall be more than repaid.



*Abutilon*

*Chrysanthemum*



1932-1933

**GOLDEN SURPRISE**

A bright yellow **double** **flower** **chrysanthemum** **with** **double** **flowers**. **It** **is** **one** **of** **the** **most** **popular** **and** **lovely** **flowers** **and** **is** **very** **easy** **to** **grow** **and** **is** **very** **resistant** **to** **disease**. **It** **is** **one** **of** **the** **most** **attractive** **flowers** **and** **is** **very** **easy** **to** **grow** **and** **is** **very** **resistant** **to** **disease**. **It** **is** **one** **of** **the** **most** **attractive** **flowers** **and** **is** **very** **easy** **to** **grow** **and** **is** **very** **resistant** **to** **disease**.

**CASSANDRA**

A **double** **flower** **chrysanthemum** **with** **double** **flowers**. **It** **is** **one** **of** **the** **most** **popular** **and** **lovely** **flowers** **and** **is** **very** **easy** **to** **grow** **and** **is** **very** **resistant** **to** **disease**. **It** **is** **one** **of** **the** **most** **attractive** **flowers** **and** **is** **very** **easy** **to** **grow** **and** **is** **very** **resistant** **to** **disease**. **It** **is** **one** **of** **the** **most** **attractive** **flowers** **and** **is** **very** **easy** **to** **grow** **and** **is** **very** **resistant** **to** **disease**.

**NAVAHO**

**Double** **flower** **chrysanthemum** **with** **double** **flowers**. **It** **is** **one** **of** **the** **most** **popular** **and** **lovely** **flowers** **and** **is** **very** **easy** **to** **grow** **and** **is** **very** **resistant** **to** **disease**. **It** **is** **one** **of** **the** **most** **attractive** **flowers** **and** **is** **very** **easy** **to** **grow** **and** **is** **very** **resistant** **to** **disease**. **It** **is** **one** **of** **the** **most** **attractive** **flowers** **and** **is** **very** **easy** **to** **grow** **and** **is** **very** **resistant** **to** **disease**.

**SPRING GROWN**

**Double** **flower** **chrysanthemum** **with** **double** **flowers**. **It** **is** **one** **of** **the** **most** **popular** **and** **lovely** **flowers** **and** **is** **very** **easy** **to** **grow** **and** **is** **very** **resistant** **to** **disease**. **It** **is** **one** **of** **the** **most** **attractive** **flowers** **and** **is** **very** **easy** **to** **grow** **and** **is** **very** **resistant** **to** **disease**. **It** **is** **one** **of** **the** **most** **attractive** **flowers** **and** **is** **very** **easy** **to** **grow** **and** **is** **very** **resistant** **to** **disease**.

**SEMI-DOUBLE**

**Double** **flower** **chrysanthemum** **with** **double** **flowers**. **It** **is** **one** **of** **the** **most** **popular** **and** **lovely** **flowers** **and** **is** **very** **easy** **to** **grow** **and** **is** **very** **resistant** **to** **disease**. **It** **is** **one** **of** **the** **most** **attractive** **flowers** **and** **is** **very** **easy** **to** **grow** **and** **is** **very** **resistant** **to** **disease**. **It** **is** **one** **of** **the** **most** **attractive** **flowers** **and** **is** **very** **easy** **to** **grow** **and** **is** **very** **resistant** **to** **disease**.

**GOOD MATERIAL**

**Double** **flower** **chrysanthemum** **with** **double** **flowers**. **It** **is** **one** **of** **the** **most** **popular** **and** **lovely** **flowers** **and** **is** **very** **easy** **to** **grow** **and** **is** **very** **resistant** **to** **disease**. **It** **is** **one** **of** **the** **most** **attractive** **flowers** **and** **is** **very** **easy** **to** **grow** **and** **is** **very** **resistant** **to** **disease**. **It** **is** **one** **of** **the** **most** **attractive** **flowers** **and** **is** **very** **easy** **to** **grow** **and** **is** **very** **resistant** **to** **disease**.

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1934-1935

# Novelty Chrysanthemums

## ANACONDA

A large flowered commercial insured possessing excellent substance and color. It is a free and easy grower with a gorgeous habit and resistance to disease. It has clean strong medium rail stems with beautiful midday green medium sized foliage. Produces large flowers in family form and bud flowers are well spotted with orange and cream making it very showy. The color is a pale red when young which becomes a shade very similar to the variety called "Maid of Row" later in the season. It is very hardy and will bloom in both the fall and winter months. It is a very desirable variety for the grower and the consumer.

## PIXIE

A very desirable variety of the "Maid of Row" family. It is a free and easy grower with a gorgeous habit and resistance to disease. It has clean strong medium rail stems with beautiful midday green medium sized foliage. Produces large flowers in family form and bud flowers are well spotted with orange and cream making it very showy. The color is a pale red when young which becomes a shade very similar to the variety called "Maid of Row" later in the season. It is very hardy and will bloom in both the fall and winter months. It is a very desirable variety for the grower and the consumer.

## INDIANAPOLIS

A very desirable variety of the "Maid of Row" family. It is a free and easy grower with a gorgeous habit and resistance to disease. It has clean strong medium rail stems with beautiful midday green medium sized foliage. Produces large flowers in family form and bud flowers are well spotted with orange and cream making it very showy. The color is a pale red when young which becomes a shade very similar to the variety called "Maid of Row" later in the season. It is very hardy and will bloom in both the fall and winter months. It is a very desirable variety for the grower and the consumer.



## INDIANAPOLIS YELLOW

This lemon yellow sport from Indianapolis Pink is another valuable addition to the very popular Indianapolis family. We think this is the best yellow mum for its specific flowering date.

(Sold out for 1943)



INDIANAPOLIS

## CHARLTON

A very desirable variety of the "Maid of Row" family. It is a free and easy grower with a gorgeous habit and resistance to disease. It has clean strong medium rail stems with beautiful midday green medium sized foliage. Produces large flowers in family form and bud flowers are well spotted with orange and cream making it very showy. The color is a pale red when young which becomes a shade very similar to the variety called "Maid of Row" later in the season. It is very hardy and will bloom in both the fall and winter months. It is a very desirable variety for the grower and the consumer.

### THREE VARIETIES FAMILY OF MUMS

OF COLOR: [red] [orange] [yellow] [white] [purple] [blue] [pink] [green] [brown] [black] and [other] color [etc.]

[red] [orange] [yellow] [white] [purple] [blue] [pink] [green] [brown] [black] and [other] color [etc.]

with [red] [orange] [yellow] [white] [purple] [blue] [pink] [green] [brown] [black] and [other] color [etc.]

ALL VARIETIES LISTED ON THIS PAGE  
\$15.00 per 100 \$125.00 per 1000



*Walter & Lillian*

Walter & Lillian

1951-52

1953-54

Main body of faint, illegible text, likely a list or ledger entries.

1955-56

1957-58

1959-60

1961-62

1963-64

CUTTINGS

				Quantity	
				100	1000
				\$3.50	\$32.50
		Aug. 28	Oct. 10	3.50	32.50
		Ter. Bud	Oct. 15	3.50	32.50
		Aug. 25	Oct. 20	3.50	32.50
			Oct. 23	3.50	32.50
			Oct. 25	3.50	32.50
			Oct. 25	3.50	32.50
			Oct. 25	3.50	32.50
			Oct. 25	3.50	32.50
			Oct. 28	3.50	32.50
		Ter. Bud	Nov. 1	3.50	40.00
		Aug. 25	Nov. 1	3.50	32.50
			Nov. 1	3.50	32.50
			Nov. 8	15.00	125.00
		Sept. 1	Nov. 10	3.50	32.50
			Nov. 10	8.00	75.00
			Nov. 13	3.50	32.50
			Nov. 15	3.50	32.50
			Nov. 15	3.50	32.50
			Nov. 15	3.50	32.50
			Nov. 20	3.50	32.50
			Nov. 20	3.50	32.50
			Nov. 20	3.50	32.50
			Nov. 20	3.50	32.50
			Nov. 20	3.50	32.50
			Nov. 23	3.50	32.50
			Nov. 25	3.50	32.50
			Nov. 25	3.50	32.50
			Nov. 25	10.00	100.00
			Nov. 25	3.50	32.50
			Nov. 25	3.50	32.50
			Nov. 30	3.50	32.50
			Nov. 30	3.50	32.50
			Nov. 30	3.50	32.50
			Nov. 30	3.50	32.50
			Nov. 30	6.00	50.00
			Dec. 15	3.50	32.50
		Aug. 10	Oct. 5	3.50	32.50
		Aug. 25	Oct. 15	3.50	32.50
		Aug. 30	Oct. 18	3.50	32.50



Plant Name	Color	Origin	Notes
Snow	White	...	...
Chas. W.	White	...	...
White	White	...	...
White	White	...	...
White	White	...	...
Mist etop	White	...	...
Smith's	White	...	...

**BRONZE**

Indiana	Light	...	...
Mongol	Light	...	...
Hilda Bergen	Light	...	...
Cambria	Light	...	...
Alameda	Light	...	...
Apricot	Light	...	...
Detroit News	Light	...	...
Bronze	Light	...	...
Indian Chief	Light	...	...
Mrs. A. J. Stahelin	Light	...	...
Gladys Pearson	Light	...	...
Oak Leaf	Light	...	...
Bronze Frick	Light	...	...
Bronze Mistletoe	Light	...	...



## Large Flowering Varieties

### PINK

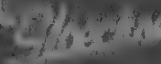
Name and Description	Last Pinch	Height	Select Bud	Matures	Price per	
					100	1000
Lustre. Light lavender. Incurved	June 15	Short	Aug. 25	Oct. 10	\$3.50	\$32.50
Early October. Light lavender. Semi-incurved	June 25	Med.	Ter. Bud	Oct. 10	12.00	100.00
Pink Chief. Lavender. Incurved	June 25	Tall	Ter. Bud	Oct. 15	3.50	32.50
Justrite. Light pink. Incurved	June 25	Short	Ter. Bud	Oct. 15	3.50	32.50
Rose Glory. Deep lavender. Incurved	June 30	Med.	Ter. Bud	Oct. 20	3.50	32.50
Major Ed. Bowes. Deep lavender. Incurved	June 30	Med.	Aug. 30	Oct. 20	3.50	32.50
October Rose. Light lavender. Incurved	June 30	Med.	Sept. 5	Oct. 20	3.50	32.50
Rosabella. Pink. Incurved	July 5	Med.	Ter. Bud	Oct. 25	3.50	32.50
Roseum. Deep lavender. Incurved	July 10	Med.	Ter. Bud	Nov. 1	6.00	50.00
J. W. Prince. (Improved Chieftain). Pale pink. Incurved	July 10	Short	Aug. 30	Nov. 5	3.50	32.50
Indianapolis Pink. Deep lavender with pale reverse. Incurved	July 15	Med.	Ter. Bud	Nov. 8	3.50	32.50
Orchid Queen. Orchid pink. Incurved	July 15	Med.	Ter. Bud	Nov. 12	3.50	32.50
Dr. Enquehard. Deep lavender. Incurved	July 25	Med.	Sept. 5	Nov. 20	3.50	32.50
Peter John. Deep rose pink. Reflexed. Incurved from Thanksgiving Pink	July 25	Short	Sept. 15	Nov. 23	3.50	32.50
Thanksgiving Pink. Amaranth. Reflexed	July 25	Short	Sept. 15	Nov. 23	3.50	32.50
Distinction. Lavender. Incurved	July 25	Med.	Ter. Bud	Nov. 25	3.50	32.50
Helen Frick. Rose pink. Incurved	July 25	Short	Sept. 10	Nov. 25	3.50	32.50
Edwin Seidewitz. Lavender. Incurved	July 30	Tall	Sept. 15	Nov. 30	3.50	32.50
Pink Mistletoe. Lavender. Incurved	Aug. 4	Med.	Sept. 10	Dec. 10	3.50	32.50

### RED

Mrs. David E. Ray. Dark red with deep pink reverse. Incurved	July 15	Short	Sept. 15	Nov. 10	3.50	32.50
Anaconda. Dark red with pink reverse. Incurved	July 15	Med.	Sept. 15	Nov. 15	15.00	125.00
Garnet King. Dark red. Reflexed	July 20	Med.	Sept. 20	Nov. 18	3.50	32.50
Harvard. Deep red. Reflexed	July 30	Med.	Sept. 30	Nov. 30	3.50	32.50
Mohawk Chief. Deep red. Reflexed	July 30	Med.	Oct. 1	Nov. 30	3.50	32.50

## Exhibition Varieties

Name and Description	Last Pinch	Height	Select Bud	Matures	Price per	
					100	1000
Grace Starrs. Wine red with pinkish silver reverse. Reflexed	July 10	Tall	Aug. 25	Nov. 1	\$6.00	\$50.00
Yellow Turner. Yellow. Incurved	July 10	Med.	Aug. 25	Nov. 5	6.00	50.00
William Turner. White. Incurved	July 10	Med.	Aug. 25	Nov. 5	6.00	50.00
Bronze Turner. Light bronze. Incurved	July 10	Med.	Aug. 25	Nov. 5	6.00	50.00
Pink Turner. (Mrs. Leslie Davis). Lavender. Incurved	July 10	Med.	Aug. 25	Nov. 5	6.00	50.00
Yellow Pockett. Yellow. Incurved	July 5	Med.	Aug. 15	Nov. 8	8.00	75.00
Louisa Pockett. White. Incurved	July 5	Med.	Aug. 15	Nov. 8	8.00	75.00
Dark Pink Thos. Pockett. Lavender. Semi-incurved	July 15	Med.	Aug. 15	Nov. 8	8.00	75.00



## Pompon and Decorative Varieties

The term pompon is applied to those forms which are of a nearly approaching globe.

Decorative varieties are those which are less compact, partly globe and partly pompon. Size of flower is indicated by S—small.

### YELLOW

Name and Description	Bloom Perch	Height	Type	Matures	Per 1000	Per 1000
Yellow Irene. Light lemon yellow	June 20	Short	S. Pom.	Oct. 15	3.50	32.50
Reed. Improved. Light lemon yellow	June 20	Short	S. Pom.	Oct. 15	3.50	32.50
Gold Flash. Deep lemon yellow	June 25	Med.	Int. Pom.	Oct. 20	3.50	32.50
Yellow Exquisite. Golden yellow	June 25	Med.	Int. Pom.	Oct. 20	12.00	100.00
Golden Spray. Deep lemon yellow	June 30	Med.	Int. Pom.	Oct. 23	3.50	32.50
*Golden Herald. Deep golden yellow	June 30	Med.	Int. Pom.	Oct. 25	3.50	32.50
Cora Peck Buhr. Light buff yellow	June 30	Tall	Int. Pom.	Oct. 25	3.50	32.50
Yellow Dot. Yellow with bronze center. Sport from Pink Dot	June 30	Med.	S. Pom.	Oct. 25	3.50	32.50
Yellow Arcadia. Deep golden yellow	June 30	Tall	Int. Pom.	Oct. 25	4.50	40.00
Mary Queen Mary. (Cora Victoria). Deep golden yellow	July 5	Tall	Int. Pom.	Nov. 1	3.50	32.50
Yellow Sea Gull. Pale lemon yellow	July 5	Tall	Int. Pom.	Nov. 1	3.50	32.50
*Yellow Doty. Buff yellow	July 5	Med.	S. Pom.	Nov. 1	3.50	32.50
Nuggets. Light lemon yellow	July 5	Short	S. Pom.	Nov. 5	3.50	32.50
Yellow Bushnell. Fernet yellow. Sport from Rev. Bushnell	July 10	Tall	Int. Pom.	Nov. 5	4.50	40.00
Pixie. Deep solar yellow	July 10	Med.	S. Pom.	Nov. 10	15.00	125.00
Derigold. Deep golden yellow	July 10	Med.	Int. Pom.	Nov. 10	3.50	32.50
Yellow New York. Deep lemon yellow	July 10	Med.	S. Pom.	Nov. 13	3.50	32.50
Yellow Fellow. Deep golden yellow	July 15	Med.	Int. Dec.	Nov. 15	3.50	32.50
Lois. Deep golden yellow	July 15	Med.	S. Pom.	Nov. 15	3.50	32.50
Golden Imperial. Golden yellow	July 15	Med.	Int. Pom.	Nov. 20	15.00	125.00
Hasegawa Gold. Light golden yellow	July 15	Tall	Int. Pom.	Nov. 23	3.50	32.50
*Goldsmith. Golden yellow	July 20	Med.	Int. Dec.	Nov. 25	4.50	40.00
Golden Sceptre. Deep golden yellow	July 20	Tall	S. Pom.	Nov. 25	3.50	32.50
Golden Sceptre. Solar yellow	July 20	Med.	Int. Pom.	Nov. 25	15.00	125.00
*Yellow Yacht. Pale lemon yellow	July 25	Med.	Int. Pom.	Nov. 28	3.50	32.50
Christmas Gold. Deep golden yellow	July 25	Med.	S. Pom.	Nov. 18	3.50	32.50
Yellow Cordova. Lemon yellow	July 25	Med.	Int. Dec.	Nov. 18	3.50	32.50
Gold Coin. (Unalga). Deep lemon yellow	July 25	Med.	Int. Dec.	Nov. 18	3.50	32.50
Yuvawn. Deep golden yellow	July 25	Med.	Int. Pom.	Nov. 18	3.50	32.50
Golden Madonna. Deep lemon yellow	July 25	Med.	Int. Pom.	Dec. 2	3.50	32.50
Yellow Silver Star. Pale lemon yellow	July 30	Tall	Int. Pom.	Nov. 10	3.50	32.50
December Gold. Deep golden yellow	Aug. 4	Med.	Int. Dec.	Dec. 15	3.50	32.50
Christmas Cheer. Deep golden yellow	Aug. 4	Med.	Int. Pom.	Nov. 15	3.50	32.50
Sun Gold. Deep lemon yellow	Aug. 5	Med.	Int. Dec.	Dec. 15	15.00	125.00
Vibrant. Deep lemon yellow	Aug. 5	Med.	Int. Dec.	Dec. 20	4.50	40.00
Winterset. Lemon yellow	Aug. 5	Med.	Int. Pom.	Nov. 25	4.50	40.00
Yellow Snow. Deep lemon yellow	Aug. 5	Med.	Int. Pom.	Dec. 30	8.00	75.00

### WHITE

Uvalda. Cream white	June 20	Med.	Int. Pom.	Oct. 10	3.50	32.50
White Jewell. White tinged with light lavender	June 20	Short	S. Pom.	Oct. 15	3.50	32.50

\* Responds to Disbudding.

# Pompon and Decorative Varieties

## WHITE Continued

Name and Description	Last Pinch	Height	Fls. & Type	Matures	Price per	
					100	1000
*Silver Bail	June 20	Med.	L. Pom.	Oct. 15	\$3.50	\$32.50
Irene	June 20	Short	S. Pom.	Oct. 18	3.50	32.50
Minong	June 25	Med.	S. Pom.	Oct. 20	3.50	32.50
Silver Bells	June 30	Med.	S. Pom.	Oct. 23	3.50	32.50
Arcadia	June 30	Med.	Int. Pom.	Oct. 28	3.50	32.50
Sea Gull, Cream white	July 5	Tall	Int. Pom.	Nov. 1	3.50	32.50
Mary Pickford	July 5	Short	S. Pom.	Nov. 1	3.50	32.50
*White Doty, Ivory white	July 5	Med.	L. Pom.	Nov. 1	3.50	32.50
Rev. Horace Bushnell, Cream white	July 10	Tall	Int. Pom.	Nov. 8	3.50	32.50
Crystal Jewels	July 10	Tall	S. Pom.	Nov. 8	3.50	32.50
Chicago Pearl, Ivory white	July 15	Med.	Int. Pom.	Nov. 15	3.50	32.50
Robbie	July 15	Med.	S. Pom.	Nov. 18	3.50	32.50
Pearl	July 20	Tall	Int. Pom.	Nov. 20	3.50	32.50
*Seafoam	July 25	Med.	Int. Pom.	Nov. 20	15.00	125.00
*White Yuletide	July 25	Short	Int. Pom.	Nov. 23	3.50	32.50
Cordova, Cream white	July 25	Med.	Int. Dec.	Nov. 30	3.50	32.50
Royal Queen	July 30	Short	Int. Pom.	Dec. 5	3.50	32.50
Cameo, Ivory white	July 30	Med.	Int. Pom.	Dec. 5	8.00	75.00
Silver Star, Ivory white	July 30	Tall	Int. Pom.	Dec. 10	3.50	32.50
Deserted Glory, Ivory white	Aug. 4	Med.	Int. Dec.	Dec. 15	3.50	32.50
Snow, Ivory white	Aug. 4	Med.	Int. Pom.	Dec. 30	3.50	32.50

## BRONZE

Clara Jameson, Dark reddish bronze	June 20	Med.	S. Pom.	Oct. 15	3.50	32.50
Bonniebell, Dark reddish bronze	June 20	Short	S. Pom.	Oct. 15	3.50	32.50
Rosee Bronze, Bronze suffused with pink	June 25	Short	S. Pom.	Oct. 15	3.50	32.50
Chickadee, Cook	June 25	Tall	Int. Pom.	Oct. 20	3.50	32.50
Carlina Lee, Reddish bronze	June 25	Med.	Int. Dec.	Oct. 20	3.50	32.50
Adelaide, Dark reddish bronze	June 25	Med.	S. Pom.	Oct. 23	3.50	32.50
*Jemima, Dark reddish bronze	June 25	Med.	Int. Pom.	Oct. 23	3.50	32.50
Bronze Persian Rose, Bronze suffused with pink	June 30	Short	Int. Pom.	Oct. 23	4.50	40.00
Ethel, Reddish bronze	June 30	Med.	S. Pom.	Oct. 25	3.50	32.50
Fire Bird, Dark reddish bronze	June 30	Med.	Int. Dec.	Oct. 25	3.50	32.50
Elizabeth Peterson, Light orange bronze	July 5	Med.	Int. Dec.	Nov. 3	3.50	32.50
Bronze Bulkeley, Bronze suffused with pink, Sport from Mrs. Bulkeley	July 10	Tall	Int. Pom.	Nov. 8	4.50	40.00
Cassandra, Orange bronze	July 10	Med.	Int. Pom.	Nov. 10	15.00	125.00
New York, Reddish bronze	July 10	Med.	S. Pom.	Nov. 13	3.50	32.50
*Bronze Westergaard, Apricot bronze, Sport from Westergaard	July 15	Med.	Int. Pom.	Nov. 15	6.00	50.00
Faz, Deep reddish bronze	July 15	Med.	S. Pom.	Nov. 15	3.50	32.50
Princeton, Golden yellow suffused with orange	July 15	Med.	Int. Dec.	Nov. 15	3.50	32.50
November Breeze, Orange bronze	July 15	Med.	Int. Pom.	Nov. 18	3.50	32.50
Catherine, Light reddish bronze	July 20	Med.	Int. Dec.	Nov. 20	3.50	32.50
Legal Tender, Bronze and Gold	July 20	Med.	Int. Dec.	Nov. 20	3.50	32.50
Mrs. Beau, Orange bronze	July 20	Med.	Int. Dec.	Nov. 25	3.50	32.50
Apricot, Apricot yellow	July 20	Med.	Int. Pom.	Nov. 25	4.50	40.00
Dorothy Turner, Deep reddish bronze	July 20	Med.	Int. Pom.	Nov. 25	3.50	32.50
Bristolite, Deep orange bronze	July 25	Med.	Int. Pom.	Nov. 25	3.50	32.50
Glow, Orange, reddish orange at center	July 25	Med.	Int. Pom.	Nov. 30	3.50	32.50
Orange Belle, Reddish bronze	July 25	Med.	S. Pom.	Nov. 30	8.00	75.00

\* Responds to the following







# Single - Daisy Type - Varieties

## YELLOW

Name and Description	Last Frost	Height	Size	Matures	Price per	
					100	1000
Yellow Daisy. Light orange yellow.	June 27	Med.	Int.	Nov. 1	\$3.50	\$32.50
Gretchen Ziper. Orange yellow.	July 5	Med.	Int.	Nov. 1	3.50	32.50
*Golder Kinsky. Light orange yellow.	July 10	Tall	Int.	Nov. 10	3.50	32.50
Sunny Day. Light to buff yellow.	July 11	Med.	Int.	Nov. 15	3.50	32.50
Golden James. Light orange yellow.	July 25	Tall	Large	Nov. 30	15.00	125.00
Queen. Light to buff yellow.	July 27	Med.	Int.	Dec. 5	3.50	32.50

## WHITE

Algonia. Light yellow.	July 11	Med.	Int.	Nov. 10	3.50	32.50
*White Monna. Light white.	July 27	Med.	Int.	Nov. 10	3.50	32.50
Yukon. Light yellow.	July 30	Tall	Int.	Dec. 10	4.50	40.00

## BRONZE

October Bronze. Light bronze.	June 30	Med.	Int.	Oct. 28	3.50	32.50
Bronze Daisy. Light bronze.	June 30	Med.	Int.	Nov. 1	3.50	32.50
Bronze Buckingham. Light bronze bronze.	July 5	Short	Int.	Nov. 3	3.50	32.50
*Mason's Bronze. Light orange.	July 10	Short	Large	Nov. 10	3.50	32.50
*Melba. Light buff bronze.	July 10	Short	Large	Nov. 10	3.50	32.50
Vagabond. Apricot buff.	July 10	Med.	Int.	Nov. 15	4.50	40.00
Affenglow. Red orange.	July 20	Med.	Int.	Nov. 20	4.50	40.00
Amberlite. Orange orange.	July 20	Med.	Int.	Nov. 25	8.00	75.00
*Sunburst. Sunburst orange.	July 20	Med.	Large	Nov. 25	3.50	32.50
*Jane. Light buff bronze. Sport from <b>Princess</b> .	July 25	Tall	Large	Nov. 30	3.50	32.50
Apricot Valencia. Buff <b>Princess</b> .	July 25	Tall	Large	Nov. 30	15.00	125.00
Viking. Deep reddish bronze shading to orange.	July 25	Med.	Int.	Dec. 1	3.50	32.50

## PINK

October Pink. Light lavender.	June 30	Med.	Int.	Oct. 28	3.50	32.50
W. H. Buckingham. Rose pink.	July 5	Short	Int.	Nov. 3	3.50	32.50
Hickawa Pink. Lavender.	July 20	Med.	Int.	Nov. 25	3.50	32.50
*Valencia. Orchid pink.	July 25	Tall	Large	Nov. 30	3.50	32.50
*Dark Pink Valencia. Deep orchid pink.	July 25	Tall	Large	Nov. 30	3.50	32.50
Aurora. Lavender.	Aug. 1	Med.	Int.	Dec. 15	12.00	100.00
Rosalind. Rose pink.	Aug. 4	Tall	Int.	Dec. 20	8.00	75.00
Carillon. Orchid pink.	Aug. 4	Tall	Int.	Dec. 20	15.00	125.00

## RED

*Red Rover. Crimson orange.	July 5	Short	Large	Nov. 5	3.50	32.50
Red Daisy. Deep red.	July 5	Med.	Int.	Nov. 5	3.50	32.50
*Mason's Red. Crimson with orange center.	July 10	Short	Large	Nov. 10	4.50	40.00
Tagoya. Brilliant Goya Red.	July 10	Short	Int.	Nov. 10	3.50	32.50
*Europa. Cardinal red.	July 10	Short	Large	Nov. 10	8.00	75.00
*Clara Hottard. Deep red.	July 10	Med.	Large	Nov. 10	3.50	32.50
*Red Melba. Light red.	July 10	Short	Large	Nov. 10	3.50	32.50
Flemingo. Scarlet with yellow center.	July 20	Med.	Int.	Nov. 20	4.50	40.00
*Carnelia. Bittersweet red.	July 25	Short	Large	Nov. 30	3.50	32.50
Red Valencia. Brazil red.	July 25	Tall	Large	Nov. 30	15.00	125.00
Blaze. Deep scarlet red.	Aug. 4	Tall	Int.	Dec. 10	3.50	32.50
Sarong. Crimson scarlet.	Aug. 4	Med.	Int.	Dec. 15	4.50	40.00

\* Responds to disbudding.

*Low-Growing Flowering Chrysanthemum*

**YELLOW**

Name	Color	Days to Maturity	Plant Height	Plant Spacing	Plant Price	Box Price
*Yellow Rolinda	Yellow	July 15	18"	12"	32.50	32.50
*Citrus Queen	Yellow	July 15	18"	12"	32.50	32.50
*Gleam	Yellow	July 15	18"	12"	32.50	32.50
*Yellow Supreme	Yellow	July 15	18"	12"	32.50	32.50
*Yellow Supreme	Yellow	July 15	18"	12"	32.50	32.50

**WHITE**

Name	Color	Days to Maturity	Plant Height	Plant Spacing	Plant Price	Box Price
*Graceland	White	July 15	18"	12"	32.50	32.50
*Blanche	White	July 15	18"	12"	32.50	32.50
*White Collaret	White	July 15	18"	12"	32.50	32.50
*Shasta	White	July 15	18"	12"	32.50	32.50
*Little America	White	July 15	18"	12"	32.50	32.50
*White Freida	White	July 15	18"	12"	32.50	32.50
*White Norma	White	July 15	18"	12"	32.50	32.50
*Long Island Beauty	White	July 15	18"	12"	32.50	32.50
*Early Garza Supreme	White	July 15	18"	12"	32.50	32.50
*White Supreme	White	July 15	18"	12"	32.50	32.50
*Garza Supreme	White	July 15	18"	12"	32.50	32.50

**BRONZE**

Name	Color	Days to Maturity	Plant Height	Plant Spacing	Plant Price	Box Price
*Bronze Tuxedo	Bronze	July 15	18"	12"	32.50	32.50
*Bronze Freida	Bronze	July 15	18"	12"	32.50	32.50
*Rolinda	Bronze	July 15	18"	12"	32.50	32.50
*Emerald	Bronze	July 15	18"	12"	32.50	32.50
*Bronze Supreme	Bronze	July 15	18"	12"	32.50	32.50

**PINK**

Name	Color	Days to Maturity	Plant Height	Plant Spacing	Plant Price	Box Price
*Baby Rose	Lavender	July 15	18"	12"	32.50	32.50
*Rose Royal	Pink	July 15	18"	12"	32.50	32.50
*Top Knot	Pink	July 15	18"	12"	32.50	32.50
*Linda Lou	Lavender	July 15	18"	12"	32.50	32.50
*Tuxedo	Rose pink	July 15	18"	12"	32.50	32.50
*Orchid Beauty	Light pink with white	July 15	18"	12"	32.50	32.50
*Freida	Light lavender with white	July 15	18"	12"	32.50	32.50
*Dark Pink Rolinda	Deep pink	July 15	18"	12"	40.00	40.00
*Norma	Orchid pink with white	July 20	18"	12"	32.50	32.50
*Dark Pink Norma	Deep pink	July 20	18"	12"	32.50	32.50
*Long Island Beauty	Pale pink (see above)	July 20	18"	12"	32.50	32.50
*Beautiful Liz	Lavender rays white center	July 20	18"	12"	32.50	32.50
*Enchantress	Deep pink	July 20	18"	12"	25.00	25.00
*Dark Pink Supreme	Lavender	July 20	18"	12"	32.50	32.50

**RED**

Name	Color	Days to Maturity	Plant Height	Plant Spacing	Plant Price	Box Price
*The Titan	Scarlet crimson, with bronzy red	July 20	18"	12"	3.50	32.50
*Red Rolinda	Dark red	July 20	18"	12"	3.50	32.50
*Crimson Glow	Dark red	July 20	18"	12"	3.50	32.50
*Matador	Dark red	July 20	18"	12"	8.00	75.00












\* Responds to Disbudding.





## Garden Varieties

### YELLOW

Name and Description	Height	Type	Matures	Price per	
				100	500
Harvest Gold.  Lemon yellow, 100% double	Short	Semi-Double	Sept. 1	\$4.50	\$40.00
†Pygmy Gold. Golden yellow, 100% double		Button	Sept. 5	3.50	32.50
Argonauta. Golden yellow, 100% double	Short	Decorative	Sept. 10	7.50	32.50
Yellow Cushion. Golden yellow, 100% double	Short	Semi-Double	Sept. 10	3.50	32.50
Barbara Cummins. (Yellow Cushion) Golden yellow, 100% double	Med.		Sept. 15	3.50	32.50
†Katy. Yellow, 100% double	Short	Decorative	Sept. 15	3.50	32.50
September Gold. Brilliant golden yellow, 100% double			Sept. 15	15.00	125.00
†Eugene A. Warden. Brilliant golden yellow, 100% double		Decorative	Sept. 20	12.00	100.00
Pomponette. Light buff yellow, 100% double		Pompon	Sept. 20	4.50	40.00
Wolverine. Light yellow, 100% double	Med.		Sept. 25	3.50	32.50
†King Midas. Light lemon yellow, 100% double	Med.	Decorative	Sept. 30	3.50	32.50
†Gleam O'Gold. Pale lemon yellow, 100% double	Short	Decorative	Oct. 5	7.00	65.00
Treasure Trove. Lemon yellow, 100% double	Med.	Decorative	Oct. 5	7.00	65.00
Golden Spoon. Golden yellow, 100% double		Spoon	Oct. 10	3.50	32.50
Yellow Irene. Light lemon yellow, Sport from 	Med.	Button	Oct. 15	3.50	32.50
Rodell Improved. Light lemon yellow, 100% double		Decorative	Oct. 15	3.50	32.50
Judith Anderson. Golden yellow, 100% double	Short	Decorative	Oct. 15	3.50	32.50

### WHITE

White Cushion (Queen Cushion). White, 100% double	Short	Decorative	Sept. 10	3.50	32.50
September Cloud. White suffused with pink, 100% double	Med.	Decorative	Sept. 15	15.00	125.00
White Gull. White, 100% double	Short	Decorative	Sept. 15	3.50	32.50
Silver Moon. Cream white, 100% double	Med.	Decorative	Sept. 15	15.00	125.00
Jean Cumming. Ivory white, 100% double	Med.	Decorative	Sept. 20	3.50	32.50
Normandie. White suffused with pink, 100% double	Short	Decorative	Sept. 20	3.50	32.50
†Milky Way. Cream white, 100% double	Med.	Decorative	Sept. 25	8.00	75.00
Tasiva. Cream white, 100% double	Med.	Decorative	Oct. 5	3.50	32.50
White Spoon. Cream white, 100% double	Med.	Spoon	Oct. 10	3.50	32.50
Uvalda. Cream white, 100% double	Med.	Decorative	Oct. 10	3.50	32.50
White Jewell. White tinged with light lavender, 100% double	Med.	Decorative	Oct. 15	3.50	32.50
Silver Ball. Cream white, 100% double	Med.	Decorative	Oct. 15	3.50	32.50
Irene. Cream white, 100% double	Med.	Decorative	Oct. 15	3.50	32.50

### BRONZE

Bronze Cushion (King Cushion). Buff bronze, 100% double	Short	Semi-double	Sept. 10	3.50	32.50
Aladdin. Deep apricot, 100% double	Short	Decorative	Sept. 10	3.50	32.50
Early Bronze. Orange bronze, 100% double	Short	Button	Sept. 15	3.50	32.50
September Bronze. Orange bronze, 100% double	Med.	Button	Sept. 15	15.00	125.00
Autumn Lights. Coppery bronze, 100% double	Short	Semi-Double	Sept. 20	4.50	40.00
Frances Whittlesey. Deep bronze and garnet, 100% double	Short	Decorative	Sept. 30	3.50	32.50

† Indicates Korean Varieties.

*Garden Varieties*

BRONZE (Continued)

Name and Origin	Height	Color	Days to Bloom	Price	Notes
Peachbl. w. fr. (Korea)	24"	Br.	60	3.50	1957
Mrs. du Pont (Korea)	24"	Br.	60	3.50	1957
Romany. (Korea)	24"	Br.	60	3.50	1957
Spot from Korea	24"	Br.	60	3.50	1957
Mandarin. (Korea)	24"	Br.	60	3.50	1957
Jasper Spoon. (Korea)	24"	Br.	60	3.50	1957
Spot from Korea	24"	Br.	60	3.50	1957
Spot from Korea	24"	Br.	60	3.50	1957
Ember. (Korea)	24"	Br.	60	3.50	1957
Spot from Korea	24"	Br.	60	3.50	1957
Bonibell. (Korea)	24"	Br.	60	3.50	1957
Indian Summer. (Korea)	24"	Br.	60	3.50	1957

PINK

Dean Kay. (Korea)	24"	Pk.	60	3.50	1957
Amelia. (Korea)	24"	Pk.	60	3.50	1957
Early V. (Korea)	24"	Pk.	60	3.50	1957
Roberta. (Korea)	24"	Pk.	60	3.50	1957
Jean Treadway. (Korea)	24"	Pk.	60	3.50	1957
Burgundy. (Korea)	24"	Pk.	60	3.50	1957
The Moon. (Korea)	24"	Pk.	60	3.50	1957
Rose Glow. (Korea)	24"	Pk.	60	3.50	1957
Lavender Lady. (Korea)	24"	Pk.	60	3.50	1957
Orchid Spoon. (Korea)	24"	Pk.	60	3.50	1957
Symphony. (Korea)	24"	Pk.	60	3.50	1957
Benoit. (Korea)	24"	Pk.	60	3.50	1957
Jewell. (Korea)	24"	Pk.	60	3.50	1957
Dark Pink Jewel. (Korea)	24"	Pk.	60	3.50	1957

RED

Red Cushion. (Korea)	24"	Red	60	3.50	1957
Nancy Cleveland. (Korea)	24"	Red	60	3.50	1957
Santa Claus. (Korea)	24"	Red	60	4.50	1957
Caliph. (Korea)	24"	Red	60	3.50	1957
Natoma. (Korea)	24"	Red	60	3.50	1957

Garden Chrysanthemums are gaining in popularity, not only for landscape beauty, but also for cut flower purpose. The following varieties have been found adaptable for cutting:

YELLOW

September Gold  
King Midas  
Gleam O'Gold

WHITE

Jean Cumming

BRONZE RED

September Bronze  
Burgundy

PINK

Amelia  
Mrs. du Pont

## The Use of Black Cloth Shading to Advance the Flowering Season

The varieties in the following list **are** **suited** **to** **black** **cloth** **shading**. The dates opposite the **varieties** are **given** **to** **indicate** **the** **rate** **at** **which** **shading** **is** **desired**.

Use a **black** **cloth** **which** **is** **not** **too** **thin** **to** **allow** **the** **sun** **to** **penetrate** **it** **too** **freely**. Best results are **obtained** **when** **the** **cloth** **is** **removed** **at** **the** **same** **rate** **at** **which** **it** **is** **put** **on**. More light later **in** **the** **season** **will** **be** **beneficial** **to** **the** **plants**.

The **best** **results** **are** **obtained** **when** **the** **cloth** **is** **put** **on** **at** **the** **same** **rate** **at** **which** **it** **is** **removed**. The **best** **results** **are** **obtained** **when** **the** **cloth** **is** **put** **on** **at** **the** **same** **rate** **at** **which** **it** **is** **removed**. The **best** **results** **are** **obtained** **when** **the** **cloth** **is** **put** **on** **at** **the** **same** **rate** **at** **which** **it** **is** **removed**.

Make **sure** **the** **cloth** **is** **put** **on** **at** **the** **same** **rate** **at** **which** **it** **is** **removed**. Make **sure** **the** **cloth** **is** **put** **on** **at** **the** **same** **rate** **at** **which** **it** **is** **removed**.

If **the** **cloth** **is** **put** **on** **at** **the** **same** **rate** **at** **which** **it** **is** **removed**, **the** **best** **results** **are** **obtained**. If **the** **cloth** **is** **put** **on** **at** **the** **same** **rate** **at** **which** **it** **is** **removed**, **the** **best** **results** **are** **obtained**.

Best results are obtained when varieties of approximately the **same** **blooming** **date** are used for any one particular shading. When a spread in blooming dates is desired, repeated shading at a few varieties at weekly or ten-day intervals has proven more satisfactory than grouping a **large** **number** **of** **varieties** into any one shading. The shading **dates** **given** **are** **those** **which** **have** **been** **found** **to** **be** **best** **for** **the** **respective** **varieties**. We recommend pinching six weeks prior to shading.

When only one branch is desired following a pinch, soft pinching should be practiced. Removal of the mere tip is best for examples when standards are pinched to avoid crown buds. Thus the final pinch on standards should be a soft pinch.

When several breaks are desired as in pinching of pompons, the pinch should be low enough to remove all of the lower growth. The lowest point at which the stem breaks off readily is about right for this type of pinch.

For strong stems a single pinch is best. With **many** **pinches** **plants** **become** **successively** **weaker**.

As an added suggestion, we would recommend the removal of black cloth after night fall to allow for a better circulation of air. This would prevent the accumulation of dampness and the unfavorable results that **usually** **occur** **therefrom**. This of course will cause considerable extra work as the cloth must be removed before morning. We feel however, that **as** **this** **will** **improve** **the** **growth** **and** **the** **foliage** **it** **will** **be** **well** **worth** **the** **effort**. Perfection is **usually** **obtained** **without** **added** **effort**.



*First*

*James Finlayson Hunt*

INDIANAPOLIS  
ALBATROSS  
DETROIT NEWS  
ROSAEDELIA  
MEFO

INDIANAPOLIS  
SILVER SHEEN  
HILDA BERGEN  
PINK CHIEF

INDIANAPOLIS  
ALBATROSS  
DETROIT NEWS  
ROSAEDELIA  
MEFO  
INDIANAPOLIS  
PINK CHIEF

GOOD NEWS  
ALBATROSS  
DETROIT NEWS  
ROSAEDELIA

INDIANAPOLIS  
ALBATROSS  
DETROIT NEWS  
ROSAEDELIA

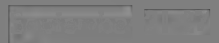
INDIANAPOLIS WHITE  
INDIANAPOLIS BRONZE  
INDIANAPOLIS PINK  
INDIANAPOLIS YELLOW  
ALBATROSS  
DETROIT NEWS  
ROSAEDELIA

HONEY DEW  
YELLOW MELO  
MEFO

INDIANAPOLIS WHITE  
INDIANAPOLIS BRONZE  
INDIANAPOLIS PINK  
INDIANAPOLIS YELLOW  
GOOD NEWS  
ALBATROSS  
DETROIT NEWS  
J. W. FRINK

MRS. DAVID REY  
HONEY DEW  
YELLOW MELO  
MEFO

INDIANAPOLIS WHITE  
INDIANAPOLIS BRONZE  
INDIANAPOLIS PINK  
INDIANAPOLIS YELLOW  
ORCHID QUEEN





## Large Flowering Varieties

VARIETY	COLOR	Date of Benching	Date of Last Pinch	SHADE	BLOOM
GOLDEN PEARSON	Yellow	June 12	July 5	August 2	October 17-25
MRS. DAVID ROY	Red	June 12	July 5	August 2	
HONEY DEW	Yellow	June 12	July 12	August 9	
YELLOW MEFO	Yellow	June 12	July 12	August 9	
INDIANAPOLIS YELLOW	Yellow	June 12	July 12	August 9	
INDIANAPOLIS WHITE	White	June 14	July 12	August 9	
MEFO	White	June 14	July 12	August 9	
INDIANAPOLIS BRONZE	Bronze	June 14	July 12	August 9	
INDIANAPOLIS PINK	Pink	June 14	July 12	August 9	
ORCHID QUEEN	Pink	June 14	July 12	August 9	

## Pompons, Decorative, Single and Anemone Types

YELLOW IRENE	Yellow	May 3	May 24	June 21	August 9-16	
IRENE	White	May 3	May 24	June 21		
MINONG	White	May 3	May 24	June 21	August 16-23	
WHITE JEWELL	White	May 3	May 24	June 21		
JEWELL	Pink	May 3	May 24	June 21		
YELLOW IRENE	Yellow	May 10	May 31	June 28		
IRENE	White	May 10	May 31	June 28	August 23-30	
YELLOW DOT	Yellow	May 3	May 24	June 21		
MARY L. HALL	Yellow	May 3	May 24	June 21		
YELLOW DAISY	Yellow	May 3	May 24	June 21		
NUGGETS	Yellow	May 3	May 24	June 21		
MINONG	White	May 10	May 31	June 28		
WHITE JEWELL	White	May 10	May 31	June 28		
JEWELL	Pink	May 10	May 31	June 28		
PINK PEARL	Pink	May 10	May 31	June 28		
YELLOW DOT	Yellow	May 10	May 31	June 28		Aug. 30—Sept. 6
MARY L. HALL	Yellow	May 10	May 31	June 28		
YELLOW DAISY	Yellow	May 10	May 31	June 28		
NUGGETS	Yellow	May 10	May 31	June 28		
ISOBEL	Pink	May 10	May 31	June 28		
JESSIE	Pink	May 10	May 31	June 28		
MINONG	White	May 17	June 7	July 5		
WHITE JEWELL	White	May 17	June 7	July 5		
JEWELL	Pink	May 17	June 7	July 5		
PINK PEARL	Pink	May 17	June 7	July 5		
YELLOW DOT	Yellow	May 17	June 7	July 5	September 6-13	
MARY L. HALL	Yellow	May 17	June 7	July 5		
YELLOW DAISY	Yellow	May 17	June 7	July 5		
NUGGETS	Yellow	May 17	June 7	July 5		
SEA GULL	White	May 17	June 7	July 5		
*LITTLE AMERICA	White	May 17	June 7	July 5		
BLANCHE	White	May 17	June 7	July 5		
ISOBEL	Pink	May 17	June 7	July 5		
JESSIE	Pink	May 17	June 7	July 5		
ADELAIDE	Bronze	May 17	June 7	July 5		
FIREBIRD	Bronze	May 17	June 7	July 5		
YELLOW BUSHNELL	Yellow	May 17	June 7	July 5		September 13-20
YELLOW FELLOW	Yellow	May 17	June 7	July 5		
YELLOW NEW YORK	Yellow	May 17	June 7	July 5		
*HELIOS	Yellow	May 17	June 7	July 5		

\* Good Disbudded.





# Pinks, Duplicates, Single and Anemone Types

VARIETY	Color	Form	Date of Last Pinch	SHADE	BLOOM
SEA GULL	White	Single	June 21	July 19	}
ROMAN BRONZE	White	Single	June 21	July 19	
ADELAIDE	White	Single	June 21	July 19	
FIREBIRD	White	Single	June 21	July 19	
OCTOBER BRONZE	White	Single	June 21	July 19	
*CLARA HOLEFORD	White	Single	June 21	July 19	
JACOBEL	White	Single	June 21	July 19	
JESSIE	White	Single	June 21	July 19	
*BENNY ROSE	White	Single	June 21	July 19	
PINK DOT	White	Single	June 21	July 19	
CAPTAIN COOK	White	Single	June 21	July 19	
OCTOBER PINK	White	Single	June 21	July 19	
YELLOW SUSHNET	Yellow	Single	June 21	July 19	
YELLOW FELLOW	Yellow	Single	June 21	July 19	
YELLOW NEW YORK	Yellow	Single	June 21	July 19	
*THURM	White	Single	June 21	July 19	
*LITTLE AMERICA	White	Single	June 21	July 19	
*WHITE PERLA	White	Single	June 21	July 19	
NATIONAL	White	Single	June 21	July 19	
CRYSTAL OF WISCONSIN	White	Single	June 21	July 19	
EVIL EMBROIDER	White	Single	June 21	July 19	
*BLANCHE	White	Single	June 21	July 19	
FET	White	Single	June 21	July 19	
NEW YORK	White	Single	June 21	July 19	
*BRONZE PERLA	White	Single	June 21	July 19	
FRINGETON	White	Single	June 21	July 19	
ROBIN HOOD	White	Single	June 21	July 19	
*FRIDA	White	Single	June 21	July 19	
SILVER TIPS	White	Single	June 21	July 19	
MRS. M. G. BULKELEY	White	Single	June 21	July 19	
YELLOW DOLL	Yellow	Single	June 28	July 26	}
YELLOW ARCADIA	Yellow	Single	June 28	July 26	
MARY J. HALL	Yellow	Single	June 28	July 26	
*YELLOW DAISY	Yellow	Single	June 28	July 26	
RIBBONETS	Yellow	Single	June 28	July 26	
*GOLDEN HERALD	Yellow	Single	June 28	July 26	
SEA GULL	White	Single	June 28	July 26	
ROMAN BRONZE	White	Single	June 28	July 26	
ADELAIDE	White	Single	June 28	July 26	
FIREBIRD	White	Single	June 28	July 26	
OCTOBER BRONZE	White	Single	June 28	July 26	
*CLARA HOLEFORD	White	Single	June 28	July 26	
RED DAISY	Red	Single	June 28	July 26	
JACOBEL	White	Single	June 28	July 26	
JESSIE	White	Single	June 28	July 26	
*BENNY ROSE	White	Single	June 28	July 26	
PINK DOT	White	Single	June 28	July 26	
CAPTAIN COOK	White	Single	June 28	July 26	
OCTOBER PINK	White	Single	June 28	July 26	
YELLOW SUSHNET	Yellow	Single	June 28	July 26	}
YELLOW FELLOW	Yellow	Single	June 28	July 26	
YELLOW NEW YORK	Yellow	Single	June 28	July 26	

September 20-27

Sept. 27—Oct. 4

Sept. 27—Oct. 4

October 4-11

\* Only One Year

Pompons, D

Variety	1910	1911	1912	1913	Type
HEIOS					
LITTLE AMERICA					
*WHITE FREIDA					
NAGONA					
CRYSTAL JEWEL					
REV. H. BUSHNELL					
BLANCHE					
FEZ					
NEW YORK					
*BRONZE FREIDA					
PRINCETON					
ROBIN HOOD					
RED PRINCETON					
*FREIDA					
SILVER BIRD					
MRS. M. G. BUSHNELL					
MASTERBIRD					
YELLOW DOT					
YELLOW ARCADIA					
FRANK HALL					
YELLOW DAISY					
NUGGUT					
*YELLOW DOT					
SEA GULL					
ROMAN					
ASCALON					
FIRSHOOD					
OCTOBER					
*CLARA					
RED DAISY					
JESSEL					
JESSIE					
*BETTY ROSE					
PINK DOT					
CAPTAIN COOK					
OCTOBER					
YELLOW BUSHNELL					
YELLOW FELLOW					
YELLOW NEW YORK					
*HEIOS					
*LITTLE AMERICA					
*WHITE FREIDA					
NAGONA					
CRYSTAL JEWEL					
REV. H. BUSHNELL					
BLANCHE					
FEZ					
NEW YORK					
*BRONZE FREIDA					
PRINCETON					
ROBIN HOOD					
RED PRINCETON					
*FREIDA					

\* Good Disbudded.





to the plant. The plant should be watered when the soil is dry to the touch. The plant should be fertilized with a balanced fertilizer every 4 to 6 weeks.

**PROPAGATION**—The plant can be propagated by stem cuttings or by division. The plant should be watered when the soil is dry to the touch. The plant should be fertilized with a balanced fertilizer every 4 to 6 weeks.

**PLANTING**—The plant should be planted in a well-draining soil. The plant should be watered when the soil is dry to the touch. The plant should be fertilized with a balanced fertilizer every 4 to 6 weeks.

**CARE**—The plant should be watered when the soil is dry to the touch. The plant should be fertilized with a balanced fertilizer every 4 to 6 weeks.

**ANNUALS**—The plant should be watered when the soil is dry to the touch. The plant should be fertilized with a balanced fertilizer every 4 to 6 weeks.

**PERENNIALS**—The plant should be watered when the soil is dry to the touch. The plant should be fertilized with a balanced fertilizer every 4 to 6 weeks.

**EXAMPLES**—The plant should be watered when the soil is dry to the touch. The plant should be fertilized with a balanced fertilizer every 4 to 6 weeks.

**FERTILIZER**—The plant should be watered when the soil is dry to the touch. The plant should be fertilized with a balanced fertilizer every 4 to 6 weeks.

**WATERING**—The plant should be watered when the soil is dry to the touch. The plant should be fertilized with a balanced fertilizer every 4 to 6 weeks.

**DISEASES AND INSECTS**—For control of spider mites, use a miticide. For control of aphids, use an aphicide. For control of whiteflies, use an insecticide.

**FLOWERS**—The plant should be watered when the soil is dry to the touch. The plant should be fertilized with a balanced fertilizer every 4 to 6 weeks.

## DISBUDDING

**WITH POMFONS**—Remove center bud except on the button type. This gives better spacing to the remaining buds. Also, the center bud generally matures earlier than the surrounding buds, giving the appearance of a flowering and premature aging. Remove this bud early as convenient.

**WITH DISRUDDS**—Disbudding must be done early. Late disbudding results in small flowers and weak and elongated stems directly below the

**HEIGHT**—By following the directions pompons grown in 6" or 6 1/2" pots will grow 14" to 18" high. Disbuds will grow 14" to 17" above the top of the pot.





*Hydrangea*

# Hydrangeas Not Dehydrated

Hydrangeas are one of the most popular flowering shrubs in the garden. They are known for their large, showy flowers and their ability to bloom in a variety of colors. However, many gardeners are disappointed when their hydrangeas do not bloom or when the flowers are small and sparse. This is often due to a lack of proper care, particularly in terms of watering and fertilizing.

One of the most common reasons for poor hydrangea performance is inadequate watering. Hydrangeas are heavy feeders and require a lot of water, especially during the growing season. If the soil is too dry, the plant will stress and its flowers will be small and few. On the other hand, if the soil is too wet, the plant will rot and die.

Fertilization is also an important part of hydrangea care. A balanced fertilizer will provide the plant with the nutrients it needs to grow and bloom. However, it is important to use a fertilizer that is specifically formulated for hydrangeas, as these plants have unique nutrient requirements.

Pruning is another key aspect of hydrangea maintenance. Most hydrangeas bloom on old wood, which means that they will bloom on the stems that grew the previous year. If you prune your hydrangea in late winter or early spring, you will remove the old wood and prevent the plant from blooming.

Finally, it is important to choose the right variety of hydrangea for your garden. There are many different types of hydrangeas, each with its own characteristics and requirements. Some varieties are more hardy than others, and some are better suited to certain climates and soil conditions.

By following these tips, you can ensure that your hydrangeas are healthy and blooming beautifully.

**SUNSHINE**

May 15	July 1	July 15	September 10
June 1	July 15	August 1	September 25
June 15	August 1	August 15	October 10
July 1	September 1	No Shade	November 25

## WHITE

**WHITE JEWEL**

May 15	July 1	July 15	September 1
June 1	July 15	July 15	September 15
June 15	August 1	August 1	October 1
July 1	August 24	No Shade	October 15

**IRENE**

May 15	July 1	July 1	September 1
June 1	July 15	July 15	September 15
June 15	August 1	August 1	October 1
July 1	August 24	No Shade	October 15

**MARY PICKFORD**

May 15	July 1	July 1	September 10
June 1	July 15	July 15	September 25
June 15	August 1	August 1	October 10
July 1	August 26	No Shade	November 25

Hydrangeas are also known for their ability to bloom in a variety of colors, including white, pink, and blue. The color of the flowers is determined by the soil's pH level. In acidic soil, hydrangeas will bloom in shades of blue, while in alkaline soil, they will bloom in shades of pink or white.

**PEARL AND DIAMOND**

May 15	July 1	July 1	September 10
June 1	July 15	July 15	September 25
June 15	August 1	August 1	October 10
July 1	August 24	No Shade	November 1

**PEARL AND DIAMOND**

May 15	July 1	July 1	August 30
June 1	July 15	July 15	September 15
June 15	August 1	August 1	September 30
July 1	August 24	No Shade	October 15

**PEARL AND DIAMOND**

May 15	July 1	July 1	August 29
June 1	July 15	July 15	September 10
June 15	August 1	August 1	September 25
July 1	August 24	No Shade	October 20

**PEARL AND DIAMOND**

May 15	July 1	July 1	September 20
June 1	July 15	July 15	October 5
June 15	August 1	August 1	October 20
July 1	August 24	No Shade	November 15

By following these tips, you can ensure that your hydrangeas are healthy and blooming beautifully.

**PEARL AND DIAMOND**

May 15	July 1	July 1	September 20
June 1	July 15	July 15	October 10
June 15	August 1	August 1	October 25
July 1	August 24	No Shade	November 25

## PINK

**OWEN**

May 15	July 1	July 1	August 30
June 1	July 15	July 15	September 15
June 15	August 1	August 1	September 30
July 1	August 24	No Shade	October 15

**PERSIAN ROSE**

May 15	July 1	July 1	September 5
June 1	July 15	July 15	September 25
June 15	August 1	August 1	October 5
July 1	August 24	No Shade	October 23

**ETHRELDA**

May 15	July 1	July 1	September 5
June 1	July 15	July 15	September 20
June 15	August 1	August 1	October 5
July 1	August 24	No Shade	November 10

**TEYRA**

May 15	July 10	July 1	September 20
June 1	July 25	July 15	October 5
June 15	August 10	August 1	October 15
July 1	August 29	No Shade	November 10

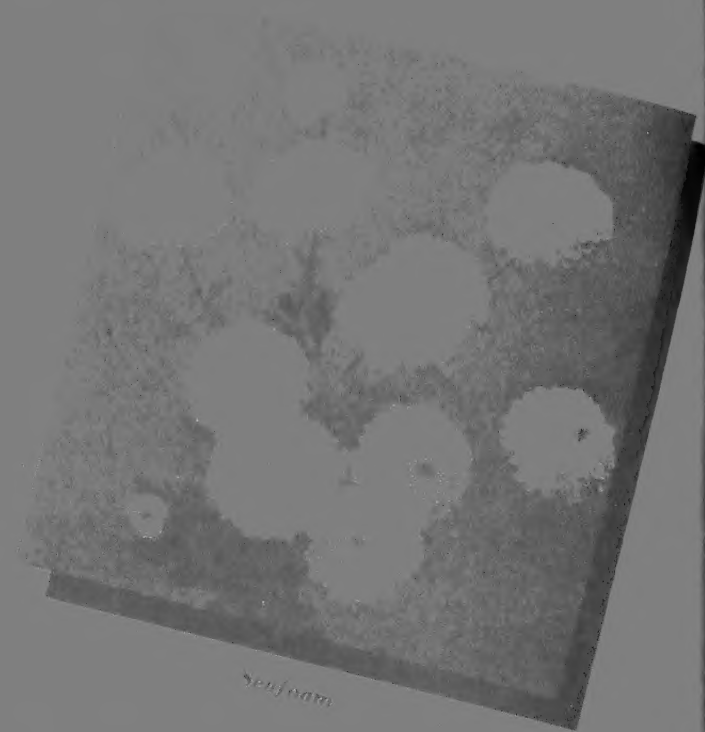








*Golden Surprise*



*Seafoam*



*Pixie*



*Carillon*

FOR COMPLETE DESCRIPTION OF THE  
NOVELTIES PICTURED ABOVE SEE PAGES 5 AND 6

**For important cultural pointers and shading information  
see pages 1 to 4 and 20 to 30.**